



# City of Denton

City Hall  
215 E.  
McKinney

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## AGENDA INFORMATION SHEET

**DEPARTMENT:** Materials Management

**CM:** Todd Hileman

**DATE:** October 17, 2017

### **SUBJECT**

Consider adoption of an ordinance accepting competitive bids and awarding a public works contract for construction of Phase 2 Water and Sanitary Sewer Improvements for the Denton Energy Center; providing for the expenditure of funds therefor; and providing an effective date (IFB 6503-awarded to the lowest responsible bidder meeting specifications, Quality Excavation, Ltd., in the not-to-exceed amount of \$1,925,345.90).

### **FILE INFORMATION**

The Denton Energy Center (DEC) is an approved Capital Improvement Program (CIP) project for Denton Municipal Electric (DME). The DEC project within the Renewable Denton Plan, will assist in providing energy services and back-up to renewable sources, when they are both in low and excess output. The DEC is a component of the City of Denton's future commitment to providing citizens with 70% of electricity from renewable sources of energy.

The DEC will require City water for plant personnel facilities, engine cooling and miscellaneous plant operations, and cleaning. The water line will tie in to an existing water main, which was completed as part of the DEC Phase 1 water line project, at the north east corner of DEC and loop around to an existing water main at Jim Christal Road and Masch Branch. The looped water supply will ensure that there is the required water volume for the plant's fire suppression system. Exhibit 3 details the connection points and alignment of the Phase 2 water line.

The DEC will require sanitary sewer service connection to the City's sanitary sewer facilities. The connection point will be on the east side of the Denton Enterprise Airport, along Masch Branch Road. The sewer line will cross airport property. Federal Aviation Agency approval for work within the airport boundaries has been granted to this project. See Exhibit 3 for the project map.

Standard purchasing procedures were followed to solicit bids for this project. Notices were sent to 227 prospective suppliers. In addition, specifications were placed on the Materials Management website for prospective suppliers to download and advertised in the local newspaper. There were ten (10) bids received meeting specifications, with a low bid of \$1,925,345.90 and a high bid of \$4,039,846 (Exhibit 2). The engineer's opinion of probable construction cost (OPCC) was \$3,219,000.

The base bid (Exhibit 2, Section I) contained a pricing option for the City to upsize a portion of the water main from 16" to 20", and an alternative pricing option to not upsize the line (Exhibit 2, Section II). Water

Department staff determined that the upsize cost was not feasible, and therefore recommends the alternate bid (no upsizing) as the award basis.

The low bidder for this project, Quality Excavation, Ltd. appears to meet all of the necessary qualifications and requirements for this project. The design engineering firm, Teague Nall and Perkins, recommends award to Quality Excavation, Ltd. (Exhibit 4).

The DEC Phase 2 Water and Sewer project is the last utility project required to bring the plant online.

### **PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)**

This item received favorable direction from the Public Utilities Board with a vote of 3-0 and 1 member abstaining on October 9, 2017.

### **RECOMMENDATION**

Award the alternate bid (Section II) to the lowest responsible bidder meeting specification, Quality Excavation, Ltd., in the not-to-exceed amount of \$1,925,345.90.

### **PRINCIPAL PLACE OF BUSINESS**

Quality Excavation, Ltd.  
Aubrey, TX

### **ESTIMATED SCHEDULE OF PROJECT**

The project estimated to be completed within 250 calendar days from Notice to Proceed.

### **FISCAL INFORMATION**

This project will be funded from bond fund account #603995601.1360.3410A. Requisition#136175 has been entered in the Purchasing software system.

### **STRATEGIC PLAN RELATIONSHIP**

The City of Denton's Strategic Plan is an action-oriented road map that will help the City achieve its vision. The foundation for the plan is the five long-term Key Focus Areas (KFA): Organizational Excellence; Public Infrastructure; Economic Development; Safe, Livable, and Family-Friendly Community; and Sustainability and Environmental Stewardship. While individual items may support multiple KFAs, this specific City Council agenda item contributes most directly to the following KFA and goal:

**Related Key Focus Area:** Public Infrastructure  
**Related Goal:** 2.3 Promote superior utility services and City facilities

### **EXHIBITS**

Exhibit 1: Agenda Information Sheet  
Exhibit 2: Bid Tabulation  
Exhibit 3: Project Map  
Exhibit 4: Engineer's Recommendation  
Exhibit 5: Ordinance  
Exhibit 6: Contract

Exhibit 7: Staff Presentation

Respectfully submitted:  
Karen Smith, 349-7100  
Purchasing Manager

For information concerning this acquisition, contact: Chris Lutrick at 349-7152.